

# VERIGENE®

The VERIGENE® System | Enabling Better Care. Today.

## VERIGENE® Gram-Positive Blood Culture Nucleic Acid Test (BC-GP)



VERIGENE® BC-GP is a qualitative, multiplexed, *in vitro*, diagnostic test performed on the VERIGENE System, that rapidly identifies genus, species, and genetic resistance markers for a broad panel of gram-positive bacteria directly from positive blood culture bottles.

While conventional microbiological methods may require 2 to 4 days to produce bacterial identification and susceptibility results, VERIGENE BC-GP provides results within 2.5 hours of blood culture positivity. Features include:

- Automation, with a sample to result system
- An on-demand, scalable workflow
- Fast time to results, with <5 minutes hands-on time and <2.5 hours run time

“Implementation of the BC-GP assay contributed to a reduction in time to appropriate antimicrobial therapy, regardless of patient population, and a decrease in LOS and overall hospital costs among patients without other significant comorbidities.”

Felsenstein S, Mender JM, Sposto R, et al.<sup>1</sup>

### VERIGENE® BC-GP

#### Species

*Staphylococcus aureus*

*Staphylococcus epidermidis*

*Staphylococcus lugdunensis*

*Streptococcus anginosus* Group

*Streptococcus agalactiae*

*Streptococcus pneumoniae*

*Streptococcus pyogenes*

*Enterococcus faecalis*

*Enterococcus faecium*

#### Genus

*Staphylococcus* spp.

*Streptococcus* spp.

*Listeria* spp.

*Micrococcus* spp.

#### Resistance

*mecA* (methicillin)

*vanA* (vancomycin)

*vanB* (vancomycin)

## Performance

### VERIGENE® BC-GP Performance vs. Reference Methods<sup>2</sup>

Target	Positive Agreement (%) <sup>a</sup>	Negative Agreement (%) <sup>a</sup>
Species (n=1,426)		
<i>Staphylococcus aureus</i>	99.1	100
<i>Staphylococcus epidermidis</i>	93.1	98.9
<i>Staphylococcus lugdunensis</i>	95.0	100
<i>Streptococcus agalactiae</i>	98.6	100
<i>Streptococcus anginosus</i> Group	100	99.8
<i>Streptococcus pneumoniae</i>	100	99.6
<i>Streptococcus pyogenes</i>	95.8	100
<i>Enterococcus faecalis</i>	96.9	99.9
<i>Enterococcus faecium</i>	97.1	100
Genus (n=1,426)		
<i>Staphylococcus</i> spp.	98.0	99.4
<i>Streptococcus</i> spp.	93.6	99.6
<i>Listeria</i> spp.	100	100
Genus (n=963)		
<i>Micrococcus</i> spp.	76.1	100
Resistance (n=1,426)		
<i>mecA</i> — <i>S. aureus</i> <sup>b</sup> (methicillin)	97.5	98.8
<i>mecA</i> — <i>S. epidermidis</i> <sup>b</sup> (methicillin)	92.0	81.5
<i>vanA</i> <sup>c</sup> (vancomycin)	94.2	99.8
<i>vanB</i> <sup>c</sup> (vancomycin)	100	100

- Combined results obtained testing prospective fresh and/or frozen clinical specimens; see VERIGENE BC-GP package insert for additional details.
- The assay detects the presence of the *mecA* gene in a sample, but does not determine which *Staphylococcus* species (*S. aureus* and/or *S. epidermidis*) produced the gene.
- The assay detects the presence of the *vanA* or *vanB* gene in a sample, but does not determine which *Enterococcus* species (*E. faecalis* and/or *E. faecium*) produced the gene.

**Luminex**  
complexity simplified.

**orders@luminexcorp.com or support@luminexcorp.com**

For In Vitro Diagnostic Use. Products are region specific and may not be approved in some countries/regions. Please contact Luminex at support@luminexcorp.com to obtain the appropriate product information for your country of residence.

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## Usage

VERIGENE® BC-GP is indicated for use in conjunction with other clinical and laboratory findings to aid in the diagnosis of bacterial bloodstream infections; however, it is not to be used to monitor these infections. See the Package Insert for more information.

## Ordering Information\*

Product Name	Part Number
VERIGENE® Gram-Positive Blood Culture Nucleic Acid Test (BC-GP) Kit Includes: 20 BC-GP Test Cartridges 20 Extraction Trays	20-005-018
VERIGENE® Gram-Positive Blood Culture Nucleic Acid (BC-GP) Utility Kit Includes: 20 BC-GP Utility Trays	20-012-018

\*Products are CE Marked for IVD Use.

## References

- Felsenstein S, Mender JM, Sposto R, et. al. Impact of a rapid blood culture assay for gram-positive identification and detection of resistance markers in a pediatric hospital. Arch Pathol Lab Med 2016;140:267-75.
- VERIGENE Gram-Positive Blood Culture Nucleic Acid Test (BC-GP) Package Insert (O27-00031-01).